

OLD VERSION

MONTANA NATURAL HERITAGE PROGRAM



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MONTANA STATE LIBRARY BUILDING

STATE OF MONTANA

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PLANT SPECIES OF SPECIAL CONCERN

The Montana Natural Heritage Program (MTNHP) is inventorying the elements of natural diversity of Montana. The inventory includes plant species, animal species, and plant associations which are rare, endemic, disjunct, threatened, or endangered throughout their range or in Montana, vulnerable to extirpation from Montana, or in need of further research.

The attached list of 364 plant taxa of special concern in Montana represents the list which, with periodic revision, is directing data acquisition by the MTNHP. It has been developed from information supplied by the Montana Rare Plant Project (University of Montana, Missoula, MT), as well as from the scientific literature and herbarium specimens. Field research was initiated during 1986. This list is dynamic, and will be revised as new data become available to MTNHP.

Written comments and suggestions are continually needed on this list, particularly regarding additions or deletions, specific locational information, and general comments for the improvement of the list. The data system (map, manual, and computer files) has been set up, and initial data for many taxa have been entered; MTNHP will eventually be able to supply location information and status data for most of these taxa.

Plant taxa are ranked by a standardized procedure used in all state heritage programs. They are ranked on the basis of their range-wide or global rarity, and on their rarity within the specific state, using these ranking categories:

GLOBAL

RANK

Definition

G1 Critically imperiled globally because of extreme rarity (5 or fewer occurrences, or very few remaining individuals), or because of some factor of its biology making it especially vulnerable to extinction. (Critically endangered throughout range).

G2 Imperiled globally because of rarity (6 to 20 occurrences) or because of other factors demonstrably making it very vulnerable to extinction throughout its range. (Endangered throughout range).

Montana Natural Heritage Program
Plant Species of Special Concern

STATE NAME	ELCODE	FAMILY	GRANK	SRANK	FEDSTATUS
ADONIS MOSCHATELLINA	PDA001010	ADOXACEAE	G5	S1	
AGASTACHE CUSICKII	PDLAM03030	LAMIACEAE	G3G4	S1	SC
AGOSERIS SP. NOV.	PDAST09X10	ASTERACEAE	G2	S1	
AGROSTIS BOREALIS	PMPOA04070	POACEAE	G5	S1	
ALLIUM ACUMINATUM	PMLIL02020	LILIACEAE	G5	S1	
ALLIUM FIBRILLUM	PMLIL020X0	LILIACEAE	G?	S1	
ALLIUM PARVUM	PMLIL021P0	LILIACEAE	G5	S1	
ALLIUM SIMILLIMUM	PMLIL02270	LILIACEAE	G?	S1S2	
ALLOTROPA VIRGATA	PDERI01010	ERICACEAE	G4	S1	
AMARANTHUS CALIFORNICUS	PDAMA040A0	AMARANTHACEAE	G?	S1	
AMMANNIA COCCINEA	PDLYT01020	LYTHRACEAE	G?	S1	
AMORpha CANESCENS	PDFAB08020	FABACEAE	G5	S1SX	
ANTENNARIA AROMATICA	PDAST0H0V0	ASTERACEAE	G3	S2	C2
ANTENNARIA PLANTAGINIFOLIA	PDAST0H0J0	ASTERACEAE	G5	SU	
ANTENNARIA PULCHERRIMA	PDAST0H0L0	ASTERACEAE	G3G4	S1	
AQUILEGIA BREVISTYLA	PDRAN05020	RANUNCULACEAE	G5	S1	
AQUILEGIA FORMOSA	PDRAN050B0	RANUNCULACEAE	G?	S1	
ARABIS FECUNDA	PDBRA06290	BRASSICACEAE	G1	S1	C2
ARABIS LIGNIFERA	PDBRA06120	BRASSICACEAE	G?	S1	
ARCTOSTAPHYLOS PATULA	PDERI04130	ERICACEAE	G4	S1	
ARENARIA KINGII	PDCAR040D0	CARYOPHYLLACEAE	G?	SU	
ARTEMISIA NORVEGICA VAR SAXATILIS	PDAST0S071	ASTERACEAE	G?	S1	
ARTEMISIA PEDATIFIDA	PDAST0S1A0	ASTERACEAE	G?	S2	
ASCLEPIAS STENOPHYLLA	PDASC021U0	ASCLEPIADACEAE	G4	S1	
ASPLENIUM TRICHOMANES	PPASP021K0	ASPLENIACEAE	G5	S1	
ASTER FRONDOSUS	PDAST0T160	ASTERACEAE	G?	SU	
ASTER PTARMICOIDES	PDAST0P1F0	ASTERACEAE	G5	S1	
ASTRAGALUS ARETIODIDES	PDFAB0F0R0	FABACEAE	G4	S2	
ASTRAGALUS ARGOPHYLLUS VAR ARGOPHYLLUS	PDFAB0F0S1	FABACEAE	G?	S1	
ASTRAGALUS BARRII	PDFAB0F150	FABACEAE	G2G3	S2	C2
ASTRAGALUS CERAMICUS VAR APUS	PDFAB0F1V1	FABACEAE	G4T3	S1	SC
ASTRAGALUS CHAMAELEUCE	PDFAB0F1X0	FABACEAE	G5	S1	
ASTRAGALUS CONVALLARIUS	PDFAB0F2D0	FABACEAE	G5	S1	
ASTRAGALUS GEYERI	PDFAB0F3M0	FABACEAE	G5	S1	
ASTRAGALUS GRAYI	PDFAB0F3V0	FABACEAE	G?	S1	
ASTRAGALUS HYALINUS	PDFAB0F460	FABACEAE	G3	S2	
ASTRAGALUS LENTIGINOSUS VAR SALINUS	PDFAB0F4R0	FABACEAE	G5T?	S1	
ASTRAGALUS LEPTALEUS	PDFAB0F4R0	FABACEAE	G4	SUS1	
ASTRAGALUS MOLYBDENUS	PDFAB0F5M0	FABACEAE	G?	S1	
ASTRAGALUS OREGANUS	PDFAB0F6D0	FABACEAE	G?	S1	
ASTRAGALUS PLATTENSIS	PDFAB0F6W0	FABACEAE	G4	S2S3	
ASTRAGALUS PLATYTROPIS	PDFAB0F6X0	FABACEAE	G?	SU	
ASTRAGALUS RACEMOSUS VAR LONGISETUS	PDFAB0F7C1	FABACEAE	G?	SU	
ASTRAGALUS SCAPHOIDES	PDFAB0F7V0	FABACEAE	G2	S1	C2
ASTRAGALUS TERMINALIS	PDFAB0F8U0	FABACEAE	G3G4	S2	
ATHYSANUS PUSILLUS	PDBRA08010	BRASSICACEAE	G4	S1	
BACOPA ROTUNDIFOLIA	PDSCR060B0	SCROPHULARIACEAE	G5	S1	
BALSAMORHIZA MACROPHYLLA	PDAST11070	ASTERACEAE	G3G5	S1	
BIDENS TRIPARTITA	PDAST181L0	ASTERACEAE	G?	SU	
BIDENS VULGATA VAR SCHIZANTHA	PDAST181N1	ASTERACEAE	G???	S1	

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STATE NAME	ELCODE	FAMILY	GRANK	SRANK	FEDSTATUS
BOTRYCHIUM CRENULATUM	PPOPH010L0	OPHIOGLOSSACEAE	G1G30	S1	C2
BOTRYCHIUM HESPERIUM	PPOPH01000	OPHIOGLOSSACEAE	G2G4	SU	
BOTRYCHIUM MINGANENSE	PPOPH010R0	OPHIOGLOSSACEAE	G3G4	S1	
BOTRYCHIUM MONTANUM	PPOPH010K0	OPHIOGLOSSACEAE	G2G3	S2	
BOTRYCHIUM PARADOXUM	PPOPH010J0	OPHIOGLOSSACEAE	G1	S10	C2
BRASENIA SCHREBERI	PDNYM01010	NYMPHAEACEAE	G5	S1	
BULBOSTYLIS CAPILLARIS	PMCYP02020	CYPERACEAE	G5	S1	
CALAMAGROSTIS TWEEDYI	PMPOA17150	POACEAE	G3	S1	C2
CAMISSONIA ANDINA	PDONA03010	ONAGRACEAE	G4	S1	
CAMISSONIA MINOR	PDONA03110	ONAGRACEAE	G?	S1	
CAMISSONIA SCAPOIDEA SSP BRACHYCARPA	PDONA031G1	ONAGRACEAE	G?	S1	
CARDAMINE RUPICOLA	PDBRA0K130	BRASSICACEAE	G2	S2	3C
CAREX ANPLIFOLIA	PMCYP030N0	CYPERACEAE	G3G4	S1	
CAREX CHORDORRHIZA	PMCYP032U0	CYPERACEAE	G5	S1	
CAREX COMOSA	PMCYP032Y0	CYPERACEAE	G5	S1	
CAREX CRAWEI	PMCYP03360	CYPERACEAE	G5	S1	
CAREX EURYCARPA	PMCYP034E0	CYPERACEAE	G?	S1?	
CAREX GRAVIDA	PMCYP035G0	CYPERACEAE	G5	S1S2	
CAREX IDAHOA	PMCYP036E0	CYPERACEAE	G3Q	S1	3C
CAREX INCURVIFORMIS VAR DANAENSIS	PMCYP036G1	CYPERACEAE	G?	S1	
CAREX LENTICULARIS VAR DOLIA	PMCYP037A3	CYPERACEAE	G5T2	S1	C2
CAREX LIVIDA	PMCYP037L0	CYPERACEAE	G5	S1	
CAREX MICROGLOCHIN	PMCYP038K0	CYPERACEAE	G5?	SU	
CAREX MISANDRA	PMCYP038N0	CYPERACEAE	G?	S2	
CAREX MULTICOSTATA	PMCYP038Y0	CYPERACEAE	G?	S1	
CAREX OCCIDENTALIS	PMCYP039M0	CYPERACEAE	G?	SU	
CAREX PAUPERCULA	PMCYP03A70	CYPERACEAE	G5	S1	
CAREX PETRICOSA	PMCYP03AF0	CYPERACEAE	G?	S1	
CAREX SCOPARIA	PMCYP03C90	CYPERACEAE	G5	S1	
CAREX STENOPTILA	PMCYP03CX0	CYPERACEAE	G?	SU	
CAREX SYCHNOCEPHALA	PMCYP03DE0	CYPERACEAE	G4	S1	
CAREX TENUIFLORA	PMCYP0A	CYPERACEAE	G5	S1	
CAREX TINCTA	PMCYP03DQ0	CYPERACEAE	G4G5	S1	
CAREX TORREYI	PMCYP03DT0	CYPERACEAE	G4	S1	
CASTILLEJA ANGUSTIFOLIA	PDSCR0D020	SCROPHULARIACEAE	G3G5	S1S2?	
CASTILLEJA COVILLEANA	PDSCR0D0K0	SCROPHULARIACEAE	G?	S1	
CASTILLEJA EXILIS	PDSCR0D0W0	SCROPHULARIACEAE	G?	SU	
CASTILLEJA GRACILLIMA	PDSCR0D150	SCROPHULARIACEAE	G?	SU	
CASTILLEJA LONGISPICA	PDSCR0D1W0	SCROPHULARIACEAE	G?	SU	
CASTILLEJA OCCIDENTALIS	PDSCR0D290	SCROPHULARIACEAE	G?	S2	
CASTILLEJA RUSTICA	PDSCR0D2V0	SCROPHULARIACEAE	G?	SU	
CEANOTHUS HERBACEUS	PDRHA040K0	RHAMNACEAE	G5	S1SH	
CELASTRUS SCANDENS	PDCEL03020	CELASTRACEAE	G5	S1	
CENTAURIUM EXALTATUM	PDGEN02060	GENTIANACEAE	G5	S1SX	
CENTUNCULUS MINIMUS	PDPRI01020	PRIMULACEAE	G5	S1SH	
CERCOCARPUS MONTANUS VAR GLABER	PDRDS08023	ROSACEAE	G?	S1	
CHRYSOSPLENIUM TETRANDRUM	PDSAX#7050	SAXIFRAGACEAE	G?	S1	
CHRYSOTHAMNUS LINIFOLIUS	PDAST2C050	ASTERACEAE	G?	S1SH	
CIRSIUM BREVISTYLM	PDAST2E0B0	ASTERACEAE	G?	S1	
CIRSIUM LONGISTYLM	PDAST2E1P0	ASTERACEAE	G2Q	S2O	

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CIRSIUM SUBNIVEUM	PDAST2E2S0	ASTERACEAE	G3G4	S1	
CLARKIA RHOMBOIDEA	PDONA050X0	ONAGRACEAE	G?	S1	
CLAYTONIA LANCEOLATA VAR FLAVA	PDPOR03092	PORTULACACEAE	G5T1	S1	C2
CLEOME LUTEA	PDCPP03070	CAPPARACEAE	G?	S1	
CONIOSELINUM SCOPULORUM	PDAPI0P040	APIACEAE	G?	S1	
CORDYLANTHUS CAPITATUS	PDSCR0J030	SCROPHULARIACEAE	G?	S1	
CORDYLANTHUS RAMOSUS	PDSCR0J0N0	SCROPHULARIACEAE	G3G5	S2	
CORYDALIS SEMPERVIRENS	PDPAP070B0	PAPAVERACEAE	G4G5	S1S2	
CRYPTANTHA CANA	PDBOR0A0D0	BORAGINACEAE	G3	S3	
CRYPTANTHA FENDLERI	PDBOR0A0X0	BORAGINACEAE	G4	S1	
CRYPTANTHA FLAVOCULATA	PDBOR0A100	BORAGINACEAE	G5	S1	
CRYPTANTHA HUMILIS	PDBOR0A1A0	BORAGINACEAE	G?	S1?	
CRYPTANTHA SOBOLIFERA	PDBOR0A2X0	BORAGINACEAE	G2G4	S2	3C
CRYPTANTHA SPICULIFERA	PDBOR0A2Z0	BORAGINACEAE	G?	SU	
CUSCUTA PENTAGONA	PDCON07140	CONVOLVULACEAE	G5	S1SU	
CYPERUS ACUMINATUS	PMCYP06010	CYPERACEAE	G5	S1	
CYPERUS ERYTHRORHIZOS	PMCYP06020	CYPERACEAE	G5	SU	
CYPERUS RIVULARIS	PMCYP06320	CYPERACEAE	G5	S1	
CYPERUS SCHWEINITZII	PMCYP06360	CYPERACEAE	G5	S1	
CYPripedium CALCEOLUS VAR PARVIFLORUM	PMORC00090	ORCHIDACEAE	G4T3	S2	
CYPripedium FASCICULATUM	PMORC00060	ORCHIDACEAE	G4	S1	3C
CYPripedium PASSERINUM	PMORC000A0	ORCHIDACEAE	G4G5	S1	
CYSTOPTERIS MONTANA	PPASP00050	ASPLENIACEAE	G5	S1SU	
DALEA VILLOSA VAR VILLOSA	PDFAB1A102	FABACEAE	G?	S1	
DELphinium ANDERSONII	PDRAN0B030	RANUNCULACEAE	G?	SU	
DELphinium BURKEI	PDRAN0B090	RANUNCULACEAE	G?	S1	
DELphinium WOOTONII	PDRAN0B0L0	RANUNCULACEAE	G?	SU	
DICHANTHELIUM OLIGOSANTHES	PMPOA24000	POACEAE	G5	S1SH	
DRABA APICULATA	PDBRA11050	BRASSICACEAE	G4G5	S1	
DRABA BRACHYCARPA	PDBRA110J0	BRASSICACEAE	G4G5	S1	
DRABA DAVIESIAE	PDBRA112U0	BRASSICACEAE	G2	S2	
DRABA FLADNIZENSIS	PDBRA110Z0	BRASSICACEAE	G?	S1	
DRABA MACOUNII	PDBRA111H0	BRASSICACEAE	G3G4	S1	
DRABA PORSILDII	PDBRA11200	BRASSICACEAE	G?	S1	
DRABA VENTOSA	PDBRA112N0	BRASSICACEAE	G5	S1	
DROSERA LINEARIS	PDDRO02060	DROSERACEAE	G4	S1	
DRYAS INTEGRIFOLIA	PDROS0L020	ROSACEAE	G5	S1	
DRYOPTERIS CRISTATA	PPASP0C080	ASPLENIACEAE	G5	S1	
ELATINE CALIFORNICA	PDELT02040	ELATINACEAE	G?	S1	
ELODEA LONGIVAGINATA	PMHYD03060	HYDROCHARITACEAE	G?	S1	
ELODEA NUTTALLII	PMHYD03080	HYDROCHARITACEAE	G5	S2	
ELYMUS FLAVESCENS	PMPOA2H070	POACEAE	G4	S1	
ELYMUS INNOVATUS	PMPOA2H0A0	POACEAE	G4	S1	
EPIPACTIS GIGANTEA	PMORC11010	ORCHIDACEAE	G4	S1	
ERIGERON ALLOCOTUS	PDAST3M050	ASTERACEAE	G2G4	S2	3C
ERIGERON ASPERUGINEUS	PDAST3M0D0	ASTERACEAE	G4	S1	
ERIGERON BELLIDIASTRUM	PDAST3M0J0	ASTERACEAE	G?	SU	
ERIGERON EATONII SSP EATONII	PDAST3M171	ASTERACEAE	G?	S1?	
ERIGERON EVERMANNII	PDAST3M1B0	ASTERACEAE	G4G5	S2	
ERIGERON FLABELLIFOLIUS	PDAST3M1E0	ASTERACEAE	G?	S2	

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ERIGERON FLAGELLARIS	PDAST3M1F0	ASTERACEAE	G?	S1	
ERIGERON FORMOSISSIMUS VAR VISCIDUS	PDAST3M1K2	ASTERACEAE	G?	S1	
ERIGERON GRACILIS	PDAST3M1R0	ASTERACEAE	G4	S1	
ERIGERON LACKSCHEWITZII	PDAST3M4F0	ASTERACEAE	G10	S10	
ERIGERON LANATUS	PDAST3M250	ASTERACEAE	G4	S2	
ERIGERON LINEARIS	PDAST3M2B0	ASTERACEAE	G?	SU	
ERIOPONUM CHRYSOPS	PDPGN08120	POLYGONACEAE	GHQ	S2	C2
ERIOPONUM LAGOPUS	PDPGN083E0	POLYGONACEAE	G1G3	S10	C2
ERIOPONUM PYROLIFOLIUM VAR CORYPHAEUM	PDPGN084Z1	POLYGONACEAE	G?	S2	
ERIOPONUM UMBELLATUM VAR STELLATUM	PDPGN0862K	POLYGONACEAE	G?	SU	
ERIOPHORUM ALPINUM	PMCYP0A010	CYPERACEAE	G5	S1	
ERIOPHORUM VIRIDICARINATUM	PMCYP0A0E0	CYPERACEAE	G5	S1	
ERYTHRONIUM GRANDIFLORUM VAR CANDIDUM	PMLIL0U051	LILIACEAE	G5T3	S2	
EUPATORIUM MACULATUM VAR BRUNERI	PDAST3P141	ASTERACEAE	G5TU	S1	
EUPATORIUM OCCIDENTALE	PDAST3P180	ASTERACEAE	G4	S1	
EUPHRASIA DISJUNCTA	PDSCR0P030	SCROPHULARIACEAE	G5	S1	
FESTUCA VIVIPARA	PM	POACEAE	GU	S10	
GENTIANA AQUATICA	PDGEN06050	GENTIANACEAE	G4	S1	
GENTIANA GLAUCA	PDGEN060E0	GENTIANACEAE	G?	S1	
GENTIANELLA PROPINGUA	PDGEN07050	GENTIANACEAE	G4	S1S2	
GENTIANELLA TENELLA	PDGEN07070	GENTIANACEAE	G4	S2	
GENTIANOPSIS MACOUNII	PDGEN08050	GENTIANACEAE	G3G4	S1	
GENTIANOPSIS SIMPLEX	PDGEN080A0	GENTIANACEAE	G3G4	S1	
GEOCAULON LIVIDUM	PDSAN04010	SANTALACEAE	G4	S1	
GEUM ROSSI VAR ROSSI	PDR0S050E2	ROSACEAE	G4G5T	SU	
GILIA LEPTOMERIA VAR LEPTOMERIA	PDPLM040X1	POLEMONIACEAE	G?T?	S2?	
GILIA TWEETYI	PDPLM041U0	POLEMONIACEAE	G4G5Q	S1	
GLANDULARIA BIPINNATIFIDA	PDVER0A010	VERBENACEAE	G?	SU	
GOODYERA REPENS	PMORC17030	ORCHIDACEAE	G5	S1	
GRAYIA SPINOSA	PDCHE0C020	CHENOPODIACEAE	G5	SU	
GRINDELIA HOWELLII	PDAST470E0	ASTERACEAE	G3	S3	C2
HALENIA DEFLEXA	PDGEN09010	GENTIANACEAE	G4	S1	
HAPLOAPPUS MACRONEMA	PDAST4F0U0	ASTERACEAE	G3G5	S1	
HAPLOAPPUS MULTICAULIS	PDAST4F0W0	ASTERACEAE	G4	S1	
HAPLOAPPUS NANUS	PDAST3L0B0	ASTERACEAE	G?	S1	
HAPLOAPPUS PYGMÆUS	PDAST4F100	ASTERACEAE	G?	S1	
HEDYSARUM ALPINUM	PDFAB12010	FABACEAE	G5	SU	
HEMICARPHA DRUMMONDII	PMCYP0E010	CYPERACEAE	G?	SU	
HETERANTHERA DUBIA	PMPON06010	PONTEDERIACEAE	G5	S1	
HETEROCODON RARIFLORUM	PDCAM08010	CAMpanulaceae	G?	S1	
HOWELLIA AQUATILIS	PDCAM0A010	CAMpanulaceae	G2	S1	C2
HUTCHINSIA PROCUMBENS	PDBRA1E010	BRASSICACEAE	G5	S1	
HYMENOPAPPUS FILIFOLIUS VAR IDAHOENSIS	PDAST51034	ASTERACEAE	G2G4T	SU	C2
HYMENOPAPPUS FILIFOLIUS VAR LUTEUS	PDAST51036	ASTERACEAE	G?	SU	
IDAOA SCAPIGERA	PDBRA1G010	BRASSICACEAE	G5	S1	
IPOMOPSIS CONGESTA SSP CREBRIFOLIA	PDPLM06032	POLEMONIACEAE	G?	S1	
IPOMOPSIS PUMILA	PDPLM060E0	POLEMONIACEAE	G?	S1	
JUNCUS ACUMINATUS	PMJUN01030	JUNCACEAE	G5	S1	
JUNCUS ALBESCENS	PMJUN01060	JUNCACEAE	G?	S1	
JUNCUS BIGLUMIS	PMJUN010B0	JUNCACEAE	G?	S2	

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JUNCUS CASTANEUS	PMJUN010P0	JUNCACEAE	G?	S2	
JUNCUS COVILLEI	PMJUN010V0	JUNCACEAE	G4G5	S1	
JUNCUS HALLII	PMJUN011E0	JUNCACEAE	G?	S1	
JUNCUS TRIGLUMIS	PMJUN012Z0	JUNCACEAE	G5	S2	
KELLOGGIA GALIOIDES	PDRUB12010	RUBIACEAE	G?	S1	
KOBRESIA MACROCARPA	PMCYP0F020	CYPERACEAE	G5	S1	
KOBRESIA SIMPLICIUSCULA	PMCYP0F030	CYPERACEAE	G5	S1	
KOCHIA AMERICANA	PDCHE0E010	CHENOPodiaceae	G?	S1	
KOENIGIA ISLANDICA	PDPGN0D010	POLYGONACEAE	G4	S2	
LATHYRUS BIJUGATUS	PDFAB25040	FABACEAE	G?	S1	
LEPIDIUM MONTANUM VAR MONTANUM	PDBRA1M0LA	BRASSICACEAE	G?	S1	
LEPTODACTYLON CAESPITOSUM	PDPLM0B010	POLEMONIACEAE	G3G4	S1	
LESQUERELLA CARINATA	PDBRA1N0B0	BRASSICACEAE	G3	S1	3C
LESQUERELLA HUMILIS	PDBRA1N1Y0	BRASSICACEAE	G1	S1	
LESQUERELLA KLAUSII	PDBRA1N1Z0	BRASSICACEAE	G2	S2	
LESQUERELLA OCCIDENTALIS	PDBRA1N170	BRASSICACEAE	G4	S1	
LEWISIA COLUMBIANA VAR WALLOWENSIS	PDPOR04033	PORTULACACEAE	G4T4	S1	3C
LIGUSTICUM FILICINUM	PDAPI18060	APIACEAE	G?	S1	
LIGUSTICUM PORTERI	PDAPI18080	APIACEAE	G4G5	S1	
LIGUSTICUM VERTICILLATUM	PDAPI180B0	APIACEAE	G4G5	S2G3	
LILaea SCILLOIDES	PMSCH01010	SCHEUCHZERIACEAE	G?	S1	
LILium COLUMBIANUM	PMLIL1A050	LILIACEAE	G?	S1	
LINANTHUS NUTTALLII SSP NUTTALLII	PDPLM090V1	POLEMONIACEAE	G?T?	S2	
LINARIA TEXANA	PDSKR110D0	SCROPHULARIACEAE	G4G5	S1	
LOBELIA SPICATA	PDCAM0E190	CAMpanulaceae	G5	S1	
LOMATIUM BICOLOR VAR BICOLOR	PDAPI1B021	APIACEAE	G?	S2	
LOMATIUM GEVERI	PDAPI1B0N0	APIACEAE	G?	S1	
LYCOPodium ALPINUM	PPLYC01020	LYCOPodiaceae	G?	S1G2	
LYCOPodium OBSCURUM	PPLYC010P0	LYCOPodiaceae	G5	SU	
MACHAERANTHERA COMMIXTA	PDAST640D0	ASTERACEAE	G3G4	S1	
MADIA MINIMA	PDAST650C0	ASTERACEAE	G?	SU	
MAIANthemum CANADENSE	PMLIL1D010	LILIACEAE	G5	S1SH	
MALACOTHRIX TORREYI	PDAST660E0	ASTERACEAE	G5	S1	
MENTZELIA MONTANA	PDL0A03110	LOASACEAE	G4	SU	
MENTZELIA NUDA	PDL0A03150	LOASACEAE	G?	SU	
MENTZELIA PUMILA	PDL0A03160	LOASACEAE	G?	S1	
MERTENSIA BELLA	PDBOR0N040	BORAGINACEAE	G4	S1	
MIMULUS NANUS	PDSCR1B1Y0	SCROPHULARIACEAE	G?	S1G2	
MIMULUS PRIMULOIDES	PDSCR1B270	SCROPHULARIACEAE	G?	S1	
MIRABILIS HIRSUTA	PDNYC0A0P0	NYCTAGINACEAE	G?	S1	
MUhlenbergia ANDINA	PMPOA4B010	POACEAE	G4	S2	
MUhlenbergia MINUTISSIMA	PMPOA4B130	POACEAE	G4	S1	
MYOSOTIS Verna	PDBOR0P0D0	BORAGINACEAE	G?	SU	
NAJAS GUADALUPENSIS	PMNAJ01050	NAJADACEAE	G5	S1	
NYMPHAEA TETRAGONA	PDNYM050B0	NYMPHAEACEAE	G5	S1	
OENOTHERA PALLIDA VAR IDAHOENSIS	PDONA0C0Y2	ONAGRACEAE	G4T4	S1	
OPHIOGLOSSUM VULGATUM	PPOPH020B0	OPHIOGLOSSACEAE	G5	S1	
ORCHIS ROTUNDIFOLIA	PMORC01010	ORCHIDACEAE	G5	S1	
OROBANCHE CORYMBOSA	PDORD04040	OROBANCHACEAE	G?	S1	
OROGENIA LINEARIFOLIA	PDAPI1J029	APIACEAE	G?	S1	

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OXYTROPIST COLUMBIANA	PDFAB2X0S0	FABACEAE	G2	S1	
OXYTROPIST LAGOPUS VAR CONJUGENS	PDFAB2X0A2	FABACEAE	G4T2	S2	
OXYTROPIST PODOCARPA	PDFAB2X0K0	FABACEAE	G?	S1	
PAPAVER KLUANENSIS	PDPAP0H0B0	PAPAVERACEAE	G4	S1	
PAPAVER PYGMAEUM	PDPAP0H0B0	PAPAVERACEAE	G5	S2	
PEDICULARIS CONTORTA VAR CTENOPHORA	PDSCR1K092	SCROPHULARIACEAE	G?	SU	
PEDICULARIS CONTORTA VAR RUBICUNDA	PDSCR1K093	SCROPHULARIACEAE	G?T?	S1	
PEDICULARIS ODERI	PDSCR1K0R0	SCROPHULARIACEAE	G?	S2	
PENSTEMON ATTENUATUS VAR MILITARIS	PDSCR1L0H2	SCROPHULARIACEAE	G4T4	S1	
PENSTEMON CARYI	PDSCR1L1B0	SCROPHULARIACEAE	G2G3	S2	3C
PENSTEMON FLAVESCENS	PDSCR1L2B0	SCROPHULARIACEAE	G3	S1	
PENSTEMON LARICIFOLIUS	PDSCR1L3J0	SCROPHULARIACEAE	G4	S2	
PENSTEMON LEMHIENSIS	PDSCR1L3N0	SCROPHULARIACEAE	G3	S2	C2
PENSTEMON PAYETTENSIS	PDSCR1L4T0	SCROPHULARIACEAE	G4	S1	
PENSTEMON WHIPPLEANUS	PDSCR1L6P0	SCROPHULARIACEAE	G5	S1	
PHACELIA INCANA	PDHYD0C270	HYDROPHYLLACEAE	G3G4	S1	
PHACELIA IVESIANA	PDHYD0C260	HYDROPHYLLACEAE	G?	S1	
PHACELIA THERMALIS	PDHYD0C4L0	HYDROPHYLLACEAE	G?	S1	
PHIPPSIA ALGIDA	PMPOA4T010	POACEAE	G5	S1	3C
PHLOX ANDICOLA	PDPLM0D0B0	POLEMONIACEAE	G?	SU	
PHLOX MISSOULENSIS	PDPLM0D190	POLEMONIACEAE	G20	S20	3C
PHYSALIS HEDERAEFOLIA	PDSOL0S0D0	SOLANACEAE	G5?	SU	
PHYSALIS PUMILA	PDSOL0S0M0	SOLANACEAE	G?	SU	
PHYSARIA ACUTIFOLIA	PDBRA22010	BRASSICACEAE	G4G5	S2	
PHYSARIA SAXIMONTANA VAR DENTATA	PDBRA220L1	BRASSICACEAE	G2T1	S1	
PHYSOCARPUS MONOGYNUUS	PDR0S19040	ROSACEAE	G4	SU	
PINGUICULA VULGARIS	PDLNT01090	LENTIBULARIACEAE	G5	S2	
PLAGIOBOTHRYS LEPTOCLADUS	PDBOR0V0N0	BORAGINACEAE	G?	S1	
PLATYSCHKUHRIA INTEGRIFOLIA	PDAST7C010	ASTERACEAE	G?	S2	
POLYGONUM DOUGLASII VAR AUSTINAE	PDPGN0L0X1	POLYGONACEAE	G4G5TU	SU	
POLYSTICHUM KRUCKEBERGII	PPASP0U0B0	ASPLENIACEAE	G5	S1	3C
POLYSTICHUM SCOPULINUM	PPASP0U0K0	ASPLENIACEAE	G?	SU	
POTAMOGETON OBTUSIFOLIUS	PPMOT03R0	POTAMOGETONACEAE	G5	S1SH	
POTENTILLA BREVIFOLIA	PDR0S1B0B0	ROSACEAE	G?	S1	
POTENTILLA UNIFLORA	PDR0S1B2B0	ROSACEAE	G?	S1	
PRIMULA ALCALINA	PDPRI0B000	PRIMULACEAE	G1?	S1SH	
PSILOCARPHUS BREVISSIMUS	PDAST7R010	ASTERACEAE	G4	S1	
PSORALEA HYPOGAEA	PDFAB3B0F0	FABACEAE	G3G4	S1	
PTERYXIA HENDERSONII	PDAPI1X020	APIACEAE	G?	S2SU	
QUERCUS MACROCARPA	PDFAG05190	FAGACEAE	G5	S1?	
RANUNCULUS CARDIOPHYLLUS	PDRAN0L0K0	RANUNCULACEAE	G?	S1	
RANUNCULUS GELIDUS	PDRAN0L0Y0	RANUNCULACEAE	G4	S1	
RANUNCULUS JOVIS	PDRAN0L1D0	RANUNCULACEAE	G?	S1	
RORIPPA CALYCINA	PDBRA27040	BRASSICACEAE	G2	S1	C2
RUBUS URSINUS	PDR0S1K7X0	ROSACEAE	G5	S2	
SABINA NIVALIS	PDCAR0P070	CARYOPHYLLACEAE	G5	S1	
SALIX BARRATTIANA	PDSAL020D0	SALICACEAE	G5	S1	
SALIX SERISSIMA	PDSAL022P0	SALICACEAE	G4	S1	
SALIX WOLFII VAR WOLFII	PDSAL02341	SALICACEAE	G3G5T?	S1	
SATUREJA DOUGLASII	PDLAM1T020	LAMIACEAE	G?	S1?	

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SAUSSUREA DENSA	PDAST8B051	ASTERACEAE	G4	S1	
SAUSSUREA WEBERI	PDAST8B060	ASTERACEAE	G4	S1	SC
SAXIFRAGA APETALA	PDSAX0U220	SAXIFRAGACEAE	G?	S2	
SAXIFRAGA CHRYSANTHA	PDSAX0U0D0	SAXIFRAGACEAE	G?	S1	
SAXIFRAGA TEMPESTIVA	PDSAX0U1R0	SAXIFRAGACEAE	G2	S2	
SAXIFRAGA TOLMIEI VAR LEDIFOLIA	PDSAX0U1U1	SAXIFRAGACEAE	G5T5	S2	
SCIRPUS CYPERINUS	PMCYPPQ0F0	CYPERACEAE	G5	S1	
SCIRPUS HETEROCHAETUS	PMCYPP00T0	CYPERACEAE	G5	S3	
SCIRPUS NEVADENSIS	PMCYPPQ130	CYPERACEAE	G4	S1S2	
SCIRPUS SUBTERMINALIS	PMCYPPQ1G0	CYPERACEAE	G4G5	S1	
SEDUM DEBILE	PDCRA0A090	CRASSULACEAE	G4G5	S1	
SELAGINELLA SELAGINOIDES	PPSEL01110	SELAGINELLACEAE	G5	S1	
SELAGINELLA WATSONII	PPSEL011D0	SELAGINELLACEAE	G4G5	S1	
SENECIO AMPLECTENS VAR HOLMII	PDAST8H022	ASTERACEAE	G?	S1	
SENECIO DEBILIS	PDAST8H110	ASTERACEAE	G3G4	S1	
SENECIO FUSCATUS	PDAST8H1E0	ASTERACEAE	G?	S2	
SENECIO PAUCIFLORUS	PDAST8H2D0	ASTERACEAE	G4G5	S1	
SHOSHONEA PULVINATA	PDAPI2G010	APIACEAE	G2	S1	C2
SILENE SPALDINGII	PDCAR0U1S0	CARYOPHYLLACEAE	G2	S1	C2
SOLIDAGO SPARSIFLORA	PDAST8P1V0	ASTERACEAE	G?	SU	
SPHAERALcea MUNROANA	PDMAL140F0	MALVACEAE	G4	S1	
SPHAEROMERIA CAPITATA	PDAST8S030	ASTERACEAE	G3G4	S2	
SPHENOPHOLIS OBTUSATA VAR MAJOR	PMPOA5T031	POACEAE	G?	S2	
SPOROBOLUS NEGLECTUS	PMPOA5V0L0	POACEAE	G5	SU	
SPOROBOLUS VAGINIFLORUS	PMPOA5V0X0	POACEAE	G5	SU	
STANLEYA TOMENTOSA	PDBRA2E050	BRASSICACEAE	G4	S1	
STANLEYA VIRIDIFLORA	PDBRA2E060	BRASSICACEAE	G4	S1	
STELLARIA SIMCOEI	PDCAR0X100	CARYOPHYLLACEAE	G4G	S10	
STEPHANOMERIA SPINOSA	PDAST8U0E0	ASTERACEAE	G?	S2	
STIPA LETTERMANII	PMPOA5X0H0	POACEAE	G?	SU	
STIPA THURBERIANA	PMPOA5X120	POACEAE	G?	SU	
STREPTANTHELLA LONGIROSTRIS	PDBRA2F010	BRASSICACEAE	G?	S1	
SULLIVANTIA HAPEMANII	PDSAX0X010	SAXIFRAGACEAE	G3	S1	SC
SYNTHYRIS CANBYI	PDSCR1W020	SCROPHULARIACEAE	G2	S2	SC
SYNTHYRIS MISSURICA	PDSCR1W040	SCROPHULARIACEAE	G?Q	S1	
TARAXACUM ERIOPHORUM	PDAST930G0	ASTERACEAE	G4	S1	
TETRANEURIS TORREYANA	PDAST530M0	ASTERACEAE	G?	S1	
THALICTRUM ALPINUM	PDRAN0M010	RANUNCULACEAE	G5	S1	
THELYPODIUM PANICULATUM	PDBRA2N0B0	BRASSICACEAE	G?	S1	
THELYPODIUM SAGITTATUM SSP SAGITTATUM	PDBRA2N0E2	BRASSICACEAE	G?	SU	
THELYPTERIS PHEGOPTERIS	PPASP0X130	ASPLENIACEAE	G5	S1	
THLASPI PARVIFLORUM	PDBRA2P050	BRASSICACEAE	G?	SU	
TOFIELDIA PUSILLA	PMLIL1Y040	LILIACEAE	G4G5	S1	
TOWNSENDIA CONDENSATA	PDAST9C040	ASTERACEAE	G?	S1	
TOWNSENDIA FLORIFER	PDAST9C0B0	ASTERACEAE	G5	S1	
TOWNSENDIA INCANA	PDAST9C0D0	ASTERACEAE	G?	S1S2	
TOWNSENDIA LEPTOTES	PDAST9C0F0	ASTERACEAE	G?	SU	
TOWNSENDIA SPATHULATA	PDAST9C0M0	ASTERACEAE	G3	S2	SC
TRADDESCANTIA BRACTEATA	PMCOM0B010	COMMELINACEAE	G3G5	SU	
TRIFOLIUM ERIOCEPHALUM SSP ARCUATUM	PDFAB4D0V1	FABACEAE	G?	S1	

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TRIFOLIUM GYMNOCARPON	PDFAB40110	FABACEAE	G?	SU	
TRIGLOchin CONCINNUN VAR DEBILE	PMSCH03012	SCHEUCHZERIACEAE	G5T4	S1	
TRISETUM ORTHOCHAETUM	PMPOA690A0	POACEAE	G1Q	S1Q	C2
UTRICULARIA INTERMEDIA	PDLNT020A0	LENTIBULARIACEAE	G5	S1	
VACCINIUM MYRTILLOIDES	PDERI180M0	ERICACEAE	G5	S1	
VERATRUM CALIFORNICUM	PMLIL25020	LILIACEAE	G5	S1SU	
VERBESINA ENCELIODIDES	PDAST9R060	ASTERACEAE	G?	SU	
VIBURNUM LENTAGO	PDCPR070B0	CAPRIFOLIACEAE	G5	S1	
VIOLA RENIFOLIA	PDVIO041V0	VIOLACEAE	G5	S1	
WOLFFIA COLUMBIANA	PMLEM03030	LENNACEAE	G5	S1	
WOLFFIA PUNCTATA	PMLEM03040	LENNACEAE	G5	S1	
WYETHIA SCABRA VAR SCABRA	PDAST9X0E3	ASTERACEAE	G?	S1	
XYLORHIZA GLABRIUSCULA	PDASTA1030	ASTERACEAE	G3G5	S1	
ZIZIA AUREA	PDAPI2F020	APIACEAE	G5	SU	